



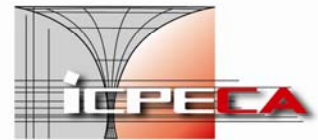
INSTITUTUL NAȚIONAL DE CERCETARE - DEZVOLTARE
PENTRU INGINERIE ELECTRICĂ ÎNCDIE ICPE-CA



Nr. Registrul Comerțului
J40/3800/2001
Cod Fiscal R 13827850
Capital Social: 381.108 Lei
Trezorerie:
RO56TREZ7035069XX001105

Cont : ROL
RO64RNCB5050000043590001
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SPECIFICATIONS FOR HOT ISOSTATIC PRESS

**Date of offers opening:
14.09.2009 ora 12,30**

**GENERAL DIRECTOR
Prof.PhD.Wilhelm Kappel**

A. Minimal technical requests (for eligibility) – not scored

1. Domain of use:

The installation is used for simultaneously processing at high temperature and pressure of ceramic, metallic and advanced composites powders, to obtain parts with full and isotropic bulk.

2. Minimal technical characteristics for the eligibility of the offer:

Crt. No.	Components	Minimal technical characteristics	
1.	General characteristics	1.	Domain of use: ceramic, composite, metallic and nano materials.
		2.	Maximum allowable working pressure – min. 200 MPa.
		3.	Maximum allowable working temperature – min. 1700 °C.
		4.	Hot work zone dimensions –min. ϕ 50 mm \times h 100 mm
		5.	Closed/Open semi automatic system for pressure vessel, with security locking.
		6.	Pressurisation system for pressure vessel
		7.	PC assisted working programming and control and it afferent soft
		8.	Temperature programming and continuous monitoring (measuring, checking and displaying)
		9.	Pressure programming and continuous monitoring (measuring, checking and displaying)
		10.	Closed loop cooling system of pressure vessel
		11.	Security systems against superheating
		12.	EU zone valid test certificate for pressure and temperature
		13.	Commanding and checking system for electric power feeding
		14.	Electrical rated power – 380 V – 50 Hz
2.	Commercial requests	1.	Post warranty service insurance for 15 years, maximum intervention time of 72 hours from the event signalization.
		2.	Installation and commissioning.
		3.	Instructing the staff: in the laboratory of the beneficiary
		4.	Documentations: Technical specification, Operation and maintenance instructions manual, Emplacement and built-up equipment draws.
		5.	Delivery conditions: FRANCO-BENEFICIARY INCIDIE ICPE-CA with transport, mounting and persons training at the beneficiary headquarter, included in the price.
		6.	The agreed method of payment by INCIDIE ICPE-CA is: <ul style="list-style-type: none"> ◆ 20 % - within 10 days from the signing of the contract; ◆ 80 % - within 10 days from the mounting and the instruction of the staff at the headquarter of the beneficiary and signing of the reception document, at the headquarter of INCIDIE ICPE-CA
		7.	Validity period of the offer: 60 days from the deadline of the offers submission.
		8.	Warranty: min. 24 months
		9.	Warranty letter from purchaser to INCIDIE ICPE-CA, regarding to offered equipment model, from which to result that his product is a new one, it is not a demo product, refused one by other beneficiary or refurbished one.
		10.	Delivery period: not earlier than March 2009 – not later than May 2009.

Obs.: These technical characteristics and commercial requests are minimal, compulsory and eliminatory. The offers which do not fulfil these requests are declared inadequate. (Art. 36 (2) from HG 925/2006).

B. Evaluated technical and functional characteristics.

Crt.No.	Technical characteristics	Allocated percentages %
1.	Maximum allowable working pressure	5
2.	Maximum allowable working temperature	5
3.	Hot work zone dimensions	5
4.	Uniformitate încălzire cuptor, < +/- 15 oC	2
5.	Heating speed, < 25 °C/min	2
6.	Cooling speed, < 40 °C/min	2
7.	Closed/Open semi automatic system for pressure vessel, with security locking.	5
8.	Pressurisation system for pressure vessel	5
9.	PC assteded working programming and control and it afferent soft	3
10.	Temperature programming and continuous monitoring (measuring, checking and displaing)	3
11.	Pressure programming and continuous monitoring (measuring, checking and displaing)	3
12.	Closed loop cooling system of pressure vessel	2
13.	Security systems against superheating	3
14.	EU zone valid test certificate for pressure and temperature	2
15.	Cold isostatical pressing possibility	5
16.	Commanding and checking system for electric power feeding	3
	TOTAL	55

C. Main financing and payment possibilities:

The financing sources of the contract which follows to be submitted are:

Structural Funds Project: „Modernization of the infrastructure designed for promoting the research potential within electrical engineering for applications in the priority economical areas of Romania as a member of EU” program/project: POS CCE – AXA II, Project nr. 104, acronym PROMIT Contract: 05/01.03.2009

D. Estimated value of the contract: 248,080 Euro (without VAT)

The offers at which the price is given in Euro, the valid exchange rate is the one from the day of the auction launching.

F. Criteria of evaluation and assignment of scores:

Evaluation criteria	Maximum percentage
Price of the offer Determining algorithm: $P = P_{\min} / P_n \times 35$ Legend: P_{\min} the lowest offered price P_n price of the offer „n” P obtained score	35%
Technical and functional characteristics according to the specifications for chapter B: 1. The established score is maximal <u>only</u> for offers wich exceed technical characteristics from Chapter B, so that the summe of these maximum to be into maximum total score of 55. 2. The calculation method of the effective score is proportional one, the offer with the best characteristic, gets the maximum score. 3. If a system or a technical request does not meet the technical request from the table from chapter B, it will receive 0 points.	55%

Warrantee Determining algorithm: $P = G_n / G_{max} \times 10$ <i>Legend:</i> G_n warrantee of the offer "n" G_{max} maximum offered warrantee P maximum obtained score	10%
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G. The main criterion on which the public acquisition contract will be assigned is: "the most advantageous offer from the economical point of view"

H. Legal basis:

Government Emergency Ordinance nr. 34/2006, appeared in the Official Monitor nr. 418/15.05.2006 regarding public acquisitions with subsequent changes.

It is mandatory that the presentation of the technical proposal to meet the order requirements of this specification, the technical characteristics to be presented in the order from the table in order to be easily identified for the assessment.

All documents will be signed in blue.

Data: 24.07.2009

Made by,

Eng.Cristian ŞEITAN

PhD.Eng.Mariana LUCACI